

ABSTRACT OF THE DISCLOSURE

Base station (100) includes a channel quality detecting
unit (120) that detects channel quality between the base
5 station and a mobile station (200), a buffered data amount
monitoring unit (130), and a modulation and coding set
determination unit (150). The modulation and coding set
determination unit determines a modulation and coding set,
as a downlink modulation scheme for packet communications,
10 such that a prescribed communication condition corresponding
to the channel quality is satisfied, and that padding added
to the data buffered in a transmission buffer (140) for
subsequent transmission to the mobile station becomes the
minimum.

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